

IGU Glazing & Material Compatibility

(See also IGU Design & Glazing Notes V11, 2024)



This document contains very important information relating to the correct glazing specifications for insulating glass units (IGU) produced by National Glass. Failure to comply with these specifications will void the National Glass warranty and severely limit any liability National Glass may have for the product.

As a customer or purchaser of National Glass IGU's some of the key items for consideration include;

- > as a window manufacturer or glazier, ensuring compliance to AS/NZS 4666:2012 Insulating glass units;
- > checking the compatibility of glazing/setting blocks against recommended materials listed below;
- > checking the compatibility of timber window primers or agents;
- > adhering to the list shown of compatible glazing sealants.

AS/NZS 4666 INSULATING GLASS UNITS

Insulating Glass Units shall be installed in accordance with the glazing requirements of AS/NZS 4666 unless otherwise specified. This standard sets out requirements and guidelines for the long term testing, glazing, periodic manufacturing testing and other associated aspects in relation to IGU's.

GLAZING / SETTING BLOCKS

- > polyethylene "PE" or polypropylene "PP" are recommended.
- > polyamide (reinforced with fiber glass) may also be used.
- > silicone blocks for silicone secondary seal.

Aromatic synthetic material is to be avoided, e.g. polystyrene "PS", acryle butadienstyrole copolymere "ABS" or any other polyblends or copolymers. The use of blocks made of PVC must also be avoided due to the risk of plasticiser migration. No plasticiser containing layers (no rubber, EPDM based glazing blocks or layer) may be used as glazing blocks.

The minimum width of each setting block shall be not less than 3mm greater than the unit and setting blocks shall be located to equally support all panes of glass and shall be fixed to prevent displacement during installation and service. The size, number and location of setting / location blocks and distance pieces shall be in accordance with AS/NZS 4666.

TIMBER WINDOW PRIMERS/AGENTS

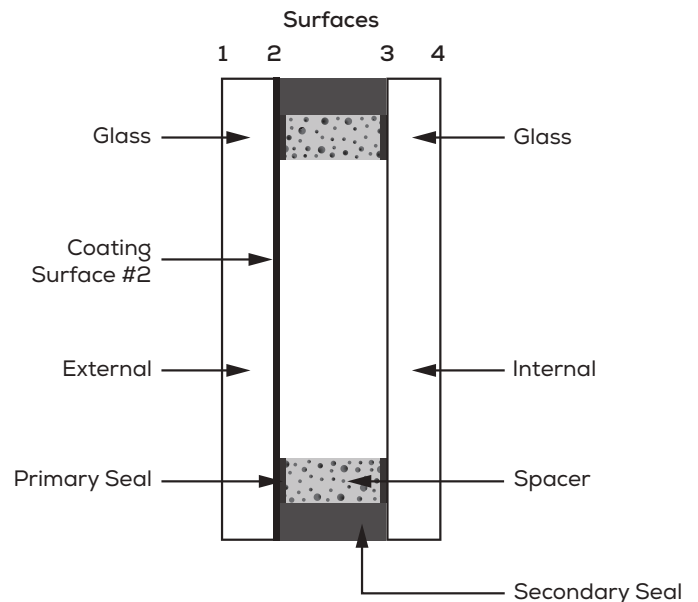
It is the responsibility of the timber joiner/window supplier to ensure any primer/agent or paint material that could come in direct contact with IGU edges and sealants are compatible with the materials used in all National Glass IGU's.

IGU SECONDARY SEALS

National Glass manufacture IGU's with dual seals, primary and secondary. The primary seal is PIB (polyisobutylene) and the secondary seal is either polysulphide or silicone sealants. Unless specified or stated at time of order or enquiry, units are supplied with polysulphide secondary. This material is suited for fully framed applications. It is not suited for units with exposed edges. For exposed edges, silicone must be used and must be specified at time of order or enquiry.

- > structural glazing - including 90° butt joints, stepped units must be specified with silicone as the secondary seal;
- > spandrel IGU's - for applications using spandrel coloured glass, units must be specified with silicone as the secondary seal.

FIG.1: IGU



IGU Glazing & Material Compatibility

(See also IGU Design & Glazing Notes V11, 2024)



SEALANT COMPATIBILITY - POLYSULPHIDE SECONDARY SEAL

The following list of sealants for glazing of units are considered compatible with a polysulphide secondary seal. Polysulphide secondary seals are the default seal for fully framed units produced by National Glass. If units are structurally glazed, or with any exposed edges or spandrel panels, silicone must be specified at time of order as the secondary seal. (Refer to silicone compatibility list in this document).

Testing period	Sealant	Base	Supplier	Curing	Approval
2021 2nd quarter	Glazing Putty, white	Silicone	3C sealants	neutral	IFT
2020 2nd quarter	Scotch-Weld DP490, black	Epoxy Structural Adhesive	3M	2K, neutral	IFT
2020 3rd quarter	Alcasil NE-S, transparent	Silicone	ALCA srl	neutral	IFT
2021 1st quarter	Silicone ossimico plus Premium, transparent	Silicone neutral oximic	Berner	neutral oximic	IFT
2020 2nd quarter	Silicone Alcoxy Plus premium, white	Silicone alkoxy	Berner	neutral	IFT
2020 2nd quarter	Silikon Alcoxy, transparent	Silicone alkoxy	Blaugelb	moisture	IFT
2020 3rd quarter	Blockseal, white	Silicone	Bloem	neutral	IFT
2020 2nd quarter	Silicon CWS-50, black	Silicone alkoxy	Bloem	neutral	IFT
2021 4th quarter	Renoseal, white	Elastic Putty	Bloem	neutral	IFT
2021 4th quarter	Renoseal, black	Elastic Putty	Bloem	neutral	IFT
2021 4th quarter	Easyséal XPS, white	Silicone alkoxy	Bloem	neutral	IFT
2021 4th quarter	Easyséal XPS, black	Silicone alkoxy	Bloem	neutral	IFT
2019 4th quarter	bm-silicon 4300, black	Silicone	BM	neutral (oxime)	IFT
2019 4th quarter	bm-silicon 4300, transparent	Silicone	BM	neutral (oxime)	IFT
2022 3rd quarter	Bostik 5000, black	Hot Melt Butyl Sealant	Bostik	none	IFT
2022 2nd quarter	Fill-A-Gap, white	Water based acrylic	Bostik	1K, acrylic	IFT
2019 3rd quarter	V60, black	Silicone	Bostik	neutral	IFT
2019 3rd quarter	V60, translucent	Silicone	Bostik	neutral	IFT
2020 4th quarter	V60, transparent	Silicone	Bostik	neutral oximic	IFT
2022 2nd quarter	Danafix Window SG60 S, black	Silicone	Dana Lim	moisture	IFT
2022 2nd quarter	Danafix Window SG60 S, grey	Silicone	Dana Lim	moisture	IFT
2018 2nd quarter	DanaFix Window SG60, black	Silyl Modified Polymer	Dana Lim	moisture	IFT
2022 2nd quarter	Danaseal Construction 515, transparent	Silicone	Dana Lim	neutral alkoxy	IFT
2018 1st quarter	Danaseal construction 515, black	Silicone	Dana Lim	neutral	IFT

IGU Glazing & Material Compatibility

(See also IGU Design & Glazing Notes V11, 2024)



SEALANT COMPATIBILITY - POLYSULPHIDE SECONDARY SEAL (Continues)

Testing period	Sealant	Base	Supplier	Curing	Approval
2020 1st quarter	Danafix SG 20 S, black	Silicone	Dana Lim	neutral	IFT
2020 2nd quarter	Danaseal sanitary & build silicone 514, transparent	Silicone	Dana Lim	neutral	IFT
2022 1st quarter	SN silikon, grey	Silicone alkoxy	Den Braven	neutral	IFT
2018 2nd quarter	Zwaluw Tecsil NA 469-2, transparent	Silicone	Den Braven Zwaluw	moisture	IFT
2020 2nd quarter	Thermo Kleber Roof, white/beige	Polyurethane 1K	Den Braven	moisture	IFT
2022 2nd quarter	Parasilico FR, grey	Silicone	DL Chemicals	neutral alkoxy	IFT
2021 3rd quarter	Parasilico Alcoxy 15 T, transparent	Silicone	DL Chemicals	moisture	IFT
2018 3rd quarter	Parasilico Monument, white	Elastic Putty	DL Chemicals	neutral	IFT
2018 3rd quarter	Parasilico Monument, black	Elastic Putty	DL Chemicals	neutral	IFT
2021 4th quarter	Parasilico VP, white	Silicone alkoxy	DL Chemicals	neutral	RAL-IFT
2019 3rd quarter	Parasilico Curtain Wall, black	Silicone alkoxy	DL Chemicals	neutral	IFT
2021 4th quarter	Parasilico Pro Glass, white	Silicone	DL Chemicals	neutral	RAL-IFT
2021 4th quarter	Parasilico Pro Glass T, transparent	Silicone	DL Chemicals	neutral	RAL-IFT
2020 4th quarter	DN-1217, black	Silicone	DN	neutral	IFT
2022 2nd quarter	Dowsil 3363, black	2K secondary Silicone	Dow	2K, neutral	IFT
2021 3rd quarter	Dowsil 939, black	2K secondary Silicone	Dow	2K, neutral	IFT
2020 4th quarter	Dowsil 335 Butyl Sealant Special Black	Polyisobutylene	Dow	none	IFT
2020 4th quarter	Dowsil 335 Butyl Sealant Black	Polyisobutylene	Dow	none	IFT
2021 4th quarter	Dowsil 121, black	Silicone 2K	Dow	neutral	RAL-IFT
2021 1st quarter	Dowsil 776 Instantfix WB, black	Hybrid Polymer	Dow	neutral	RAL-IFT
2019 3rd quarter	Dowsil 580, grey	Silicone	Dow	neutral	IFT
2019 3rd quarter	Dowsil 580, white	Silicone	Dow	neutral	IFT
2019 3rd quarter	Dowsil 580, black	Silicone	Dow	neutral	IFT
2019 3rd quarter	Dowsil 795, black	Silicone	Dow	neutral	IFT
2019 3rd quarter	Dowsil 795, grey	Silicone	Dow	neutral	IFT
2019 3rd quarter	Dowsil 688, black	Silicone	Dow	neutral	IFT

IGU Glazing & Material Compatibility

(See also IGU Design & Glazing Notes V11, 2024)



SEALANT COMPATIBILITY - POLYSULPHIDE SECONDARY SEAL (Continues)

Testing period	Sealant	Base	Supplier	Curing	Approval
2019 3rd quarter	Dowsil 688, grey	Silicone	Dow	neutral	IFT
2019 3rd quarter	Dowsil 790, grey	Silicone	Dow	neutral	IFT
2019 3rd quarter	Dowsil 790, black	Silicone	Dow	neutral	IFT
2019 3rd quarter	Dowsil 791, black	Silicone	Dow	neutral	IFT
2019 3rd quarter	Dowsil 791, grey	Silicone	Dow	neutral	IFT
2020 1st quarter	Dowsil 895, black	Silicone	Dow	neutral	IFT
2020 2nd quarter	Dowsil 896, white	Silicone	Dow	neutral	IFT
2020 4th quarter	D813, grey	Silicone	Dow	neutral	IFT
2018 4th quarter	DC 799EU, transparent	Silicone	Dow Corning	neutral	IFT
2019 1st quarter	DC 994, black	Silicone 2K	Dow Corning	2K	IFT
2017 4th quarter	DC 799, transparent	Silicone	Dow Corning	neutral	IFT
2019 1st quarter	DC 993, black	Silicone 2K	Dow Corning	2K	IFT
2019 1st quarter	DC 3363, black	Silicone 2K	Dow Corning	2K	IFT
2017 4th quarter	Insta-Stik Windows, beige	Polyurethane 1K	Dow Corning	moisture	IFT
2018 3rd quarter	Dowsil 796, white	Silicone	Dow Corning	neutral	IFT
2018 3rd quarter	Glass&metal sealant, white	Silicone	Dow Corning	neutral	IFT
2019 1st quarter	DC 744, white	Silicone	Dow Corning	neutral	IFT
2019 1st quarter	Dowsil 121, black	Silicone 2K	Dow Corning	neutral	IFT
2020 4th quarter	Ecobutyl, black	Polyisobutylene	Eco	none	IFT
2022 1st quarter	BU 2000, black	Polyisobutylene	Ercasan	none	IFT
2022 1st quarter	Bisil F, black	Silicone	Fratelli Zucchini	neutral	IFT
2022 1st quarter	Multiglazier, black	Silicone	Fratelli Zucchini	neutral	IFT
2017 4th quarter	Ser 2000, black	Silicone	F.Ili Zucchini	neutral	IFT
2020 4th quarter	Ser 2000, white	Silicone	F.Ili Zucchini	neutral	IFT
2017 4th quarter	Flexil 2001, transparent	Silicone	F.Ili Zucchini	neutral	IFT
2018 3rd quarter	Finesil 470, white	Silicone	Finesil	neutral	IFT

IGU Glazing & Material Compatibility

(See also IGU Design & Glazing Notes V11, 2024)



SEALANT COMPATIBILITY - POLYSULPHIDE SECONDARY SEAL (Continues)

Testing period	Sealant	Base	Supplier	Curing	Approval
2018 3rd quarter	Forch Eco, transparent	Silicone	Forch	moisture	IFT
2018 2nd quarter	SCS9100 Silpruf F, beige	Silicone	GE Silicones	moisture	IFT
2020 4th quarter	Silicone sealant, transparent	Silicone	GreenteQ	moisture	IFT
2021 3rd quarter	Unisilicon 707, brun ocre	Silicone	Gyso	moisture	IFT
2021 4th quarter	Vitrosil 705	Silicone	Gyso	neutral	IFT
2020 1st quarter	2H SIL RC, black	Silicone	Heller	neutral	IFT
2021 1st quarter	2H SIL RC, grey	Silicone	Heller	neutral	IFT
2022 1st quarter	HIT-HY 270, beige	2K Hybrid System	Hilti	neutral	IFT
2021 1st quarter	Silfix U9, white	Silicone	Hodgson	neutral	IFT
2022 1st quarter	IGK 330, black	Polysulfide 2K	IGK	2K	IFT
2021 1st quarter	IGK 511, black	Polyisobutylene	IGK	none	IFT
2021 1st quarter	IGK 511 S, black	Polyisobutylene	IGK	none	IFT
2022 3rd quarter	FA101, black	Silicone	Illbruck	neutral	IFT
2020 3rd quarter	Silicone NA 400, clear milky	Silicone	A Building Materials	neutral	IFT
2020 2nd quarter	Kawo GV 154, transparent	Silicone	Kawo	neutral	IFT
2017 4th quarter	Cygla-Seal FRAK 2010, black	Silicone 2K	Keller	neutral	IFT
2022 3rd quarter	Habe Silikon 20, black	Silicone	Habe Sealant AB	neutral	IFT
2022 3rd quarter	Habe Silikon 20, anthracite	Silicone	Habe Sealant AB	neutral	IFT
2022 3rd quarter	Habe Silikon 20, grey	Silicone	Habe Sealant AB	neutral	IFT
2022 3rd quarter	Habe Silikon 20, cementgrey	Silicone	Habe Sealant AB	neutral	IFT
2022 3rd quarter	Habe Silikon 20, skanegrey	Silicone	Habe Sealant AB	neutral	IFT
2022 3rd quarter	Habe Silikon 20, light grey	Silicone	Habe Sealant AB	neutral	IFT
2022 3rd quarter	Habe Silikon 20, greywhite	Silicone	Habe Sealant AB	neutral	IFT
2022 3rd quarter	Habe Silikon 20, purewhite	Silicone	Habe Sealant AB	neutral	IFT
2022 3rd quarter	Habe Silikon 20, transparent	Silicone	Habe Sealant AB	neutral	IFT
2021 2nd quarter	Naftotherm BU-S, black	Polyisobutylene	H.B. Fuller	none	IFT

IGU Glazing & Material Compatibility

(See also IGU Design & Glazing Notes V11, 2024)



SEALANT COMPATIBILITY - POLYSULPHIDE SECONDARY SEAL (Continues)

Testing period	Sealant	Base	Supplier	Curing	Approval
2021 3rd quarter	SL868, black	Silicone	Hi-Koreaseal	neutral	IFT
2021 1st quarter	GD 677, black	Polyurethane 2K	Koemmerling	2K	IFT
2020 4th quarter	Koediglaze P, grey	Polyurethane 2K	Koemmerling	moisture	RAL-IFT
2020 4th quarter	GD 115, black	Polyisobutylene	Koemmerling	none	IFT
2020 4th quarter	Kodiglaze SDG 1C, black	Silicone	Koemmerling	moisture	IFT
2020 4th quarter	Koediglaze SDG 30, black	Silicone 2K	Koemmerling	polycondensation	IFT
2020 4th quarter	Koediglaze SDG 10, black	Silicone 2K	Koemmerling	polycondensation	IFT
2020 1st quarter	GD 826 N, black	Silicone alkoxy	Koemmerling	neutral	IFT
2021 1st quarter	GD 116NA, black	Polysulfide 2K	Koemmerling	2K	IFT
2018 1st quarter	GD 920, anthracite	Silicone 2K	Koemmerling	2K	IFT
2021 4th quarter	LAsilikon NE, black	Silicone	Leif Arvidsson AB	moisture	IFT
2021 4th quarter	LAsilikon NE, grey	Silicone	Leif Arvidsson AB	moisture	IFT
2021 4th quarter	LAsilikon NE, white	Silicone	Leif Arvidsson AB	moisture	IFT
2021 4th quarter	LAsilikon NE, transparent	Silicone	Leif Arvidsson AB	moisture	IFT
2018 2nd quarter	Gomastit 400, white	Silicone	Merz+Benteli AG	neutral	IFT
2018 2nd quarter	Gomastit 400, transparent	Silicone	Merz+Benteli AG	neutral	IFT
2018 1st quarter	IGS3763, anthracite	Silicone 2K	Momentive	2K	IFT
2018 1st quarter	IGS3767, grey	Silicone 2K	Momentive	2K	IFT
2020 4th quarter	Gold Polymer Plus, transparent	Silicone	Mungo	neutral	IFT
2020 1st quarter	Hybrid Polymer, grey	Silicone	Mungo	moisture	IFT
2021 4th quarter	Ottopur Turbo, yellow	Polyurethane 2K	Otto Chemie	2K	IFT
2021 4th quarter	Ottoseal S120, black	Silicone alkoxy	Otto Chemie	moisture	IFT
2021 4th quarter	Ottoseal S120, transparent	Silicone alkoxy	Otto Chemie	moisture	IFT
2021 1st quarter	Ottocoll S670, dark grey	Silicone 2K	Otto Chemie	2K	RAL-IFT
2022 2nd quarter	Ottoseal S112, transparent	Silicone	Otto Chemie	neutral	IFT
2022 2nd quarter	Ottoseal S110, transparent	Silicone	Otto Chemie	neutral	IFT

IGU Glazing & Material Compatibility

(See also IGU Design & Glazing Notes V11, 2024)



SEALANT COMPATIBILITY - POLYSULPHIDE SECONDARY SEAL (Continues)

Testing period	Sealant	Base	Supplier	Curing	Approval
2019 2nd quarter	Ottoseal S110, white	Silicone	Otto Chemie	neutral (oxime)	IFT
2020 2nd quarter	Ottoseal S110, black	Silicone	Otto Chemie	neutral (oxime)	IFT
2021 2nd quarter	Ottoseal S110, sandbeige	Silicone	Otto Chemie	neutral (oxime)	IFT
2020 1st quarter	Ottoseal S 7, black	Silicone	Otto Chemie	neutral	IFT
2020 1st quarter	Ottoseal S 9, black	Silicone	Otto Chemie	neutral	IFT
2020 3rd quarter	Ottocoll S 81, black	Silicone alkoxy 2K	Otto Chemie	neutral	IFT
2020 2nd quarter	Ottocoll S 88, black	Silicone	Otto Chemie	neutral	IFT
2022 2nd quarter	Permapack 145, beige	Silicone	Permapack	moisture	IFT
2018 1st quarter	Permapack 145, grey	Silicone	Permapack	oxime	IFT
2022 1st quarter	Promat systemglas silikon, transparent	Silicone	Promat	neutral	IFT
2022 2nd quarter	350 Fassade, black	Silicone	Ramsauer	neutral	IFT
2021 4th quarter	130 Alkoxy, transparent	Silicone alkoxy	Ramsauer	neutral	IFT
2020 4th quarter	131 Multiflex, transparent	Silicone	Ramsauer	neutral alkoxy	IFT
2018 2nd quarter	Neutral 120, white	Silicone	Ramsauer	neutral	IFT
2018 2nd quarter	490 glasleisten fuller, rosa	Silicone	Ramsauer	neutral alkoxy	IFT
2021 2nd quarter	MultiSil	Silicone alkoxy	Remmers	neutral alkoxy	IFT
2018 3rd quarter	Induline GLF-925- Glasleistenfuller, blue	Silicone	Remmers	moisture	IFT
2021 1st quarter	Siliglass, black	Silicone	Roverplastik	moisture	RAL-IFT
2021 1st quarter	Special Adhesive S, black	Silicone 2K	Schueco	polycondensation	IFT
2021 1st quarter	LBS 748NB, transparent	Silicone	Selena	moisture	IFT
2020 4th quarter	Tytan O34, transparent	Silicone	Selena	neutral	IFT
2020 4th quarter	Tytan IG77, black	Silicone	Selena	moisture	IFT
2020 4th quarter	sjk-1177, black	Silicone	Shinjuker	moisture	IFT
2022 3rd quarter	Sikasil WS-305 S, black	Silicone	Sika	neutral	IFT
2022 2nd quarter	Sikaflex-953 L30, white	ilane Terminated Polymer 2	Sika	moisture	IFT
2021 2nd quarter	Sikaglaze IG-5 PIB, black	Polysisobutylene	Sika	neutral	IFT

IGU Glazing & Material Compatibility

(See also IGU Design & Glazing Notes V11, 2024)



SEALANT COMPATIBILITY - POLYSULPHIDE SECONDARY SEAL (Continues)

Testing period	Sealant	Base	Supplier	Curing	Approval
2021 2nd quarter	Sikaglaze IG-5 PIB, grey	Polyisobutylene	Sika	neutral	IFT
2019 3rd quarter	Sikasil WS-200, transparent	Silicone	Sika	moisture	IFT
2021 1st quarter	Sikasil C, t transparent	Silicone	Sika	neutral	IFT
2020 4th quarter	Sikasil WS-605 S, black	Silicone	Sika	moisture	IFT
2019 3rd quarter	Sikasil WT-470, black	Silicone 2K	Sika	polycondensation	IFT
2019 3rd quarter	Sikasil WT-480, black	Silicone 2K	Sika	polycondensation	RAL-IFT
2019 3rd quarter	Sikasil WT-485, black	Silicone 2K	Sika	polycondensation	RAL-IFT
2022 2nd quarter	Sikasil WT-40, black	Silicone	Sika	moisture	RAL-IFT
2022 2nd quarter	Sikasil WT-40, grey	Silicone	Sika	moisture	RAL-IFT
2020 1st quarter	Sikasil IG-25 HM Plus, black	Silicone 2K	Sika	neutral	IFT
2020 1st quarter	Sikasil IG-25 HM plus, grey	Silicone 2K	Sika	neutral	IFT
2022 2nd quarter	Sikasil IG-25 S, black	Silicone 2K	Sika	polycondensation	IFT
2020 1st quarter	Sikasil WT-45, black	Silicone	Sika	neutral	IFT
2019 3rd quarter	Sikasil WT-65, grey	Silicone	Sika	moisture	RAL-IFT
2019 3rd quarter	Sikasil WT-66, grey	Silicone	Sika	moisture	RAL-IFT
2018 3rd quarter	Sikasil IG-210, black	Silicone 2K	Sika	2K	IFT
2020 2nd quarter	Sikasil-N plus, black	Silicone	Sika	neutral	IFT
2021 2nd quarter	Sikasil SG-20, black	Silicone	Sika	moisture	RAL-IFT
2021 2nd quarter	Sikasil SG-18, black	Silicone	Sika	moisture	RAL-IFT
2021 2nd quarter	Sikasil SG-500CN, black	Silicone 2K	Sika	polycondensation	RAL-IFT
2021 2nd quarter	Sikasil SG-500, black	Silicone 2K	Sika	moisture	IFT
2021 2nd quarter	Sikasil WS-605 S, black	Silicone	Sika	moisture	IFT
2022 2nd quarter	Silirub 2, transparent	Silicone	Soudal	moisture	IFT
2022 2nd quarter	SMX 506	SMX hybrid polymer	Soudal	moisture	IFT
2022 1st quarter	Fire Silicone B1 FR, grey	Silicone	Soudal	neutral	IFT
2021 4th quarter	Silirub AL2T, transparent	Silicone alkoxy	Soudal	neutral	IFT

IGU Glazing & Material Compatibility

(See also IGU Design & Glazing Notes V11, 2024)



SEALANT COMPATIBILITY - POLYSULPHIDE SECONDARY SEAL (Continues)

Testing period	Sealant	Base	Supplier	Curing	Approval
2021 4th quarter	Silirub AL2T, white	Silicone alkoxy	Soudal	neutral	IFT
2018 1st quarter	Soudatherm SFI600P, grey/orange	Polyurethane 1K	Soudal	moisture	IFT
2018 1st quarter	Soudasil 400, transparent	Silicone	Soudal	oxime	IFT
2018 1st quarter	Silirub+ S8000, transparent	Silicone	Soudal	oxime	IFT
2018 1st quarter	Silirub PC, transparent	Silicone	Soudal	neutral alkoxy	IFT
2021 4th quarter	Silirub PRO N, black	Silicone	Soudal	moisture	IFT
2019 4th quarter	Silirub PRO N, transparent	Silicone	Soudal	moisture	IFT
2018 1st quarter	Silirub Pro NMX, transparent	Silicone	Soudal	oxime	IFT
2018 4th quarter	Silirub N07, transparent	Silicone	Soudal	neutral	IFT
2021 1st quarter	Fome Flex Neutral Silicone 748P, translucent	Silicone	Tegra	moisture	IFT
2021 2nd quarter	Buttek, black	Polyisobutylene	Tek Metal	none	IFT
2021 2nd quarter	Tekasil Color, anthracite	Silicone	TKK	moisture	IFT
2018 3rd quarter	Silikon Neutralny, transparent	Silicone	Tytan Professional	moisture	IFT
2022 1st quarter	Neutral Life, white	Silicone	Torggler	neutral	IFT
2022 1st quarter	N 2.0, ivory	Silicone	Torggler	neutral	IFT
2021 1st quarter	Silicone sealant Universal, white	Silicone	Torggler	neutral	IFT
2021 1st quarter	Silicone sealant Low Modulus, grey	Silicone	Torggler	neutral	IFT
2018 1st quarter	Sitol Silicon Serramento, white	Silicone	Torggler	neutral	IFT
2018 1st quarter	Sitol Silicon Serramento, black	Silicone	Torggler	neutral	IFT
2021 1st quarter	Tremco Butyl sealant, black	Polyisobutylene	Tremco	none	IFT
2019 3rd quarter	Dymonic FC, white	Polyurethane Hybrid	Tremco	moisture	IFT
2019 3rd quarter	Dymonic FC, black	Polyurethane Hybrid	Tremco	moisture	IFT
2019 3rd quarter	Dymonic FC, grey	Polyurethane Hybrid	Tremco	moisture	IFT
2018 1st quarter	DG210, black	Silicone alkoxy 2K	Tremco - Illbruck	2K	IFT
2018 2nd quarter	FA850, transparent	Silicone	Tremco - Illbruck	neutral	IFT
2018 2nd quarter	FS500, black	Silicone	Tremco - Illbruck	moisture	IFT

IGU Glazing & Material Compatibility

(See also IGU Design & Glazing Notes V11, 2024)



SEALANT COMPATIBILITY - POLYSULPHIDE SECONDARY SEAL (Continues)

Testing period	Sealant	Base	Supplier	Curing	Approval
2021 2nd quarter	Elastosil 8000 N, transparent	Silicone	Wacker	neutral	IFT
2022 2nd quarter	Mastic silicone S, translucent	Silicone	Wurth	neutral alcoxy	IFT
2021 3rd quarter	Neutral Silikon A8 PRO, transparent	Silicone alkoxy	Wurth	neutral	IFT
2019 3rd quarter	Colla di montaggio, beige	neoprene	Wurth	neutral	IFT
2019 3rd quarter	Serramento Wd,Mtl,PVC, alluminio	Silicone alkoxy	Wurth	neutral	IFT
2018 4th quarter	Serramento Wd,Mtl,PVC, black	Silicone alkoxy	Wurth	neutral	IFT
2019 3rd quarter	Serramento Wd,Mtl,PVC,c,bianco puro	Silicone alkoxy	Wurth	neutral	IFT
2020 2nd quarter	Zeta Foam Flex, white	Polyurethane 1K	Zetachem	moisture	IFT

IGU Glazing & Material Compatibility

(See also IGU Design & Glazing Notes V11, 2024)



SEALANT COMPATIBILITY - SILICONE SECONDARY SEAL

The following list of sealants for glazing of units are considered compatible with a silicone secondary seal.

Testing period	Sealant	Base	Supplier	Curing	Approval
2022 2nd quarter	Dowsil 3363, black	2K secondary Silicone	Dow	2K, neutral	IFT
2021 3rd quarter	Dowsil 939, black	2K secondary Silicone	Dow	2K, neutral	IFT
2020 4th quarter	Dowsil 335 Butyl Sealant Special Black	Polyisobutylene	Dow	none	IFT
2020 4th quarter	Dowsil 335 Butyl Sealant Black	Polyisobutylene	Dow	none	IFT
2021 4th quarter	Dowsil 121, black	Silicone 2K	Dow	neutral	RAL-IFT
2021 1st quarter	Dowsil 776 Instantfix WB, black	Hybrid Polymer	Dow	neutral	RAL-IFT
2019 3rd quarter	Dowsil 580, grey	Silicone	Dow	neutral	IFT
2019 3rd quarter	Dowsil 580, white	Silicone	Dow	neutral	IFT
2019 3rd quarter	Dowsil 580, black	Silicone	Dow	neutral	IFT
2019 3rd quarter	Dowsil 795, black	Silicone	Dow	neutral	IFT
2019 3rd quarter	Dowsil 795, grey	Silicone	Dow	neutral	IFT
2019 3rd quarter	Dowsil 688, black	Silicone	Dow	neutral	IFT
2019 3rd quarter	Dowsil 688, grey	Silicone	Dow	neutral	IFT
2019 3rd quarter	Dowsil 790, grey	Silicone	Dow	neutral	IFT
2019 3rd quarter	Dowsil 790, black	Silicone	Dow	neutral	IFT
2019 3rd quarter	Dowsil 791, black	Silicone	Dow	neutral	IFT
2019 3rd quarter	Dowsil 791, grey	Silicone	Dow	neutral	IFT
2020 1st quarter	Dowsil 895, black	Silicone	Dow	neutral	IFT
2020 2nd quarter	Dowsil 896, white	Silicone	Dow	neutral	IFT
2020 4th quarter	D813, grey	Silicone	Dow	neutral	IFT
2018 4th quarter	DC 799EU, transparent	Silicone	Dow Corning	neutral	IFT
2019 1st quarter	DC 994, black	Silicone 2K	Dow Corning	2K	IFT
2017 4th quarter	DC 799, transparent	Silicone	Dow Corning	neutral	IFT
2019 1st quarter	DC 993, black	Silicone 2K	Dow Corning	2K	IFT
2019 1st quarter	DC 3363, black	Silicone 2K	Dow Corning	2K	IFT

IGU Glazing & Material Compatibility

(See also IGU Design & Glazing Notes V11, 2024)



SEALANT COMPATIBILITY - SILICONE SECONDARY SEAL (Continues)

Testing period	Sealant	Base	Supplier	Curing	Approval
2017 4th quarter	Insta-Stik Windows, beige	Polyurethane 1K	Dow Corning	moisture	IFT
2018 3rd quarter	Dowsil 796, white	Silicone	Dow Corning	neutral	IFT
2018 3rd quarter	Glass&metal sealant, white	Silicone	Dow Corning	neutral	IFT
2019 1st quarter	DC 744, white	Silicone	Dow Corning	neutral	IFT
2019 1st quarter	Dowsil 121, black	Silicone 2K	Dow Corning	neutral	IFT

Testing period in bold: up to one year tested
Testing period in grey: more than 4 years tested

VALIDITY: 5 years from testing period shown.

DISCLAIMER: All sealants listed in the document are valid only for tested materials. Since National Glass has no control over the manufacture or formulation of materials, we make no guarantees of results and assume no liability for damages incurred by following the recommendations.